

## ABSTRACT OF THE DISCLOSURE

A method for transmission of digital data in a form of data packets through links carrying data packets with error correction, includes the steps of enveloping a sent packet  
5 data, first with an error detection scheme, and secondly with an error correction scheme. The error correction applies to both the sent packet data and to the error detection field. If an error in either of these fields occurs, the error correction scheme attempts to correct it. Error correction  
10 may fail in which case the packet is dropped. If error correction does not fail, there is still a possibility that there was an error which error correction did not correct correctly, or did not detect at all because the power of the correction scheme was exceeded. In these cases, the error  
15 detection scheme provides a method or means to detect such errors and drop the packet. Corresponding interconnect system with error correction, encode and decode for such are also provided.